

reduced energy binder includes a cured high molecular weight polyester polyol binder polymer including poly(tetramethylene adipate) [having a] wherein the molecular weight ( $MW_n$ ) of the uncured prepolymer is above 4000 and an amount of energetic plasticizer wherein the plasticizer to polymer ratio is less than about 1.6:1 and wherein the elongation at maximum stress is at least 200%.

In claim 40, line 2, after "the", insert -- of the uncured polymer --.

Rewrite claim 42 as follows:

42(Amended). A propellant as in claim 40 wherein the plasticizer to polymer ratio is about 1:1 and wherein the elongation at maximum stress is at least 170%.

In claim 43, line 3, delete "a" and insert -- an uncured prepolymer --.

In claim 51, line 3, in the second parenthesis before " $MW_n$ ", insert -- uncured --.

In claim 52, line 3, in the second parenthesis before " $MW_n$ ", insert -- uncured --.

In claim 53, line 3, delete "a" and insert -- an uncured prepolymer --.

In claim 62, line 3, after  $MW_n$ , insert -- (uncured) --.